

# LQM21PNR47MGH#

"#" indicates a package specification code.

In Production

General

85 °C max.

Multi-layer

Bias

Rework OK

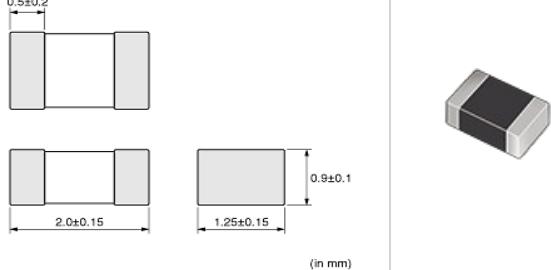
RoHS

REACH

< List of part numbers with package codes >

LQM21PNR47MGHL , LQM21PNR47MGHB

## Shape

	
L size	2.0 ± 0.15mm
W size	1.25 ± 0.15mm
T size	0.9 ± 0.1mm
Size code in inch (mm)	0805 (2012)

## Notes

When rated current is applied to the products, inductance will be within ±30% of initial inductance value range.

When rated current is applied to the products, the temperature rise caused by self-generated heat shall be limited to 40°C max.

Keep the temperature (ambient temperature plus self-generation of heat) under 125°C.

## References

Packaging code	Specifications	Minimum quantity
L	ø180mm Embossed taping	3000
B	Packing in bulk	1000

Mass (Typ.)	
1 piece	0.012g

## Specifications

Inductance	0.47µH ±20%
Inductance test frequency	1MHz
Rated current (Isat) (Based on Inductance change)	1.8A(Max) / 2.4A(Typ.)
Rated current (Itemp) (Based on Temperature rise)	2.4A(Max) / 3.1A(Typ.)
Max. of DC resistance	0.05Ω
Avg. of DC resistance	0.04Ω (typ.)
Self resonance frequency (min.)	80MHz
Operating temperature range	-40°C to 85°C
Class of magnetic shield	Ferrite Core
Series	LQM21PN_GH

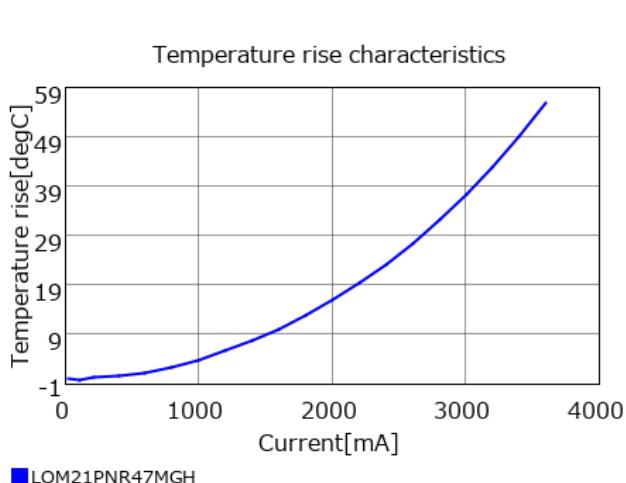
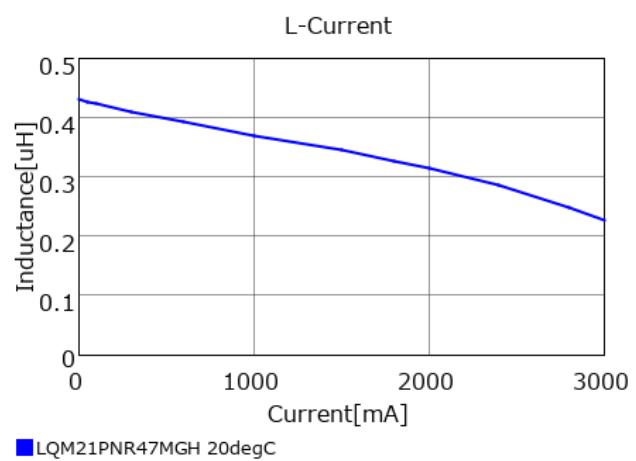
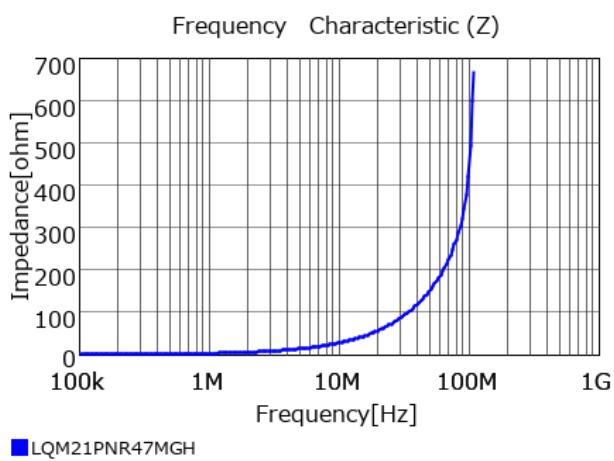
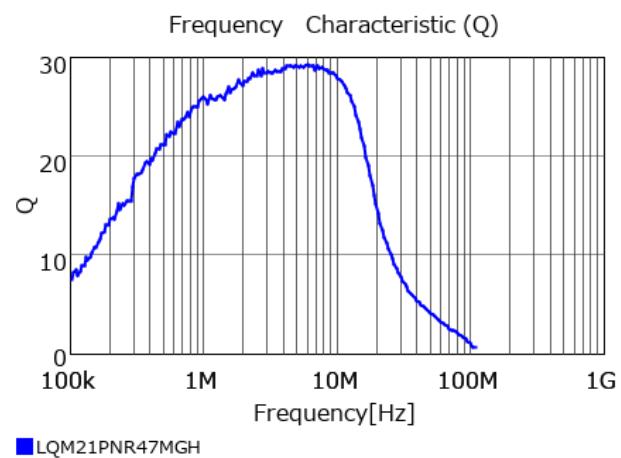
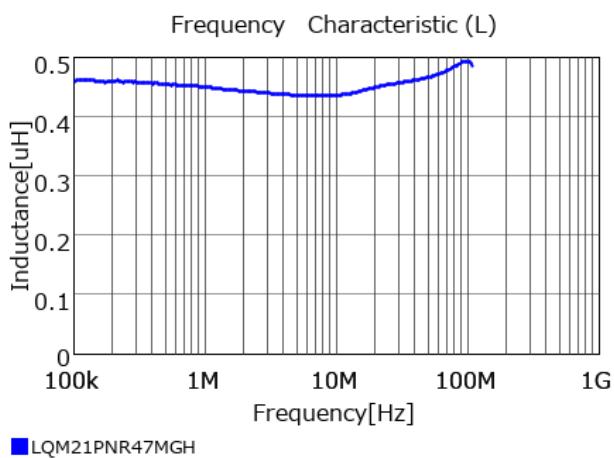
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